

IN THE SPECIFICATION

Please replace paragraph [0034] with the following new paragraph 0034:

[0034] One might undertake to determine the resonance points using a variety of techniques. For example, an algorithmic search could be used. Another possibility is to use a search that sweeps from a low control bandwidth to a higher control bandwidth. Still another technique is to implement a search process that begins at a maximum value and ramps down. That is, control node 12 searches for the present resonance points of the control bandwidth by beginning at a maximum value and then decreases the bandwidth until an inflection point in any of the performance metrics (e.g., throughput, average fetch time or packet loss) is observed, thus indicating that a resonance point has been reached. A preferred search process may look for several resonance points over a selected range of control bandwidth and then choose an operating value for the control bandwidth that corresponds to a best observed resonance point. Other methods of estimating the resonance point are disclosed in commonly-owned U.S. Patent Application No. 09/846,450, entitled "METHOD FOR DYNAMICAL IDENTIFICATION OF NETWORK CONGESTION CHARACTERISTICS", filed April 30, 2001, Attorney Docket No. 003997.P008, which was issued July 4, 2006 as U.S. Patent No. 7072297, and U.S. Patent Application No. 09/854,321, entitled "METHOD FOR DETERMINING NETWORK CONGESTION AND LINK CAPACITIES", filed May 11, 2001, which was issued July 24, 2007 as U.S. Patent No. 7248564, Attorney Docket No. 003997.P010, each of which are incorporated herein by reference.